

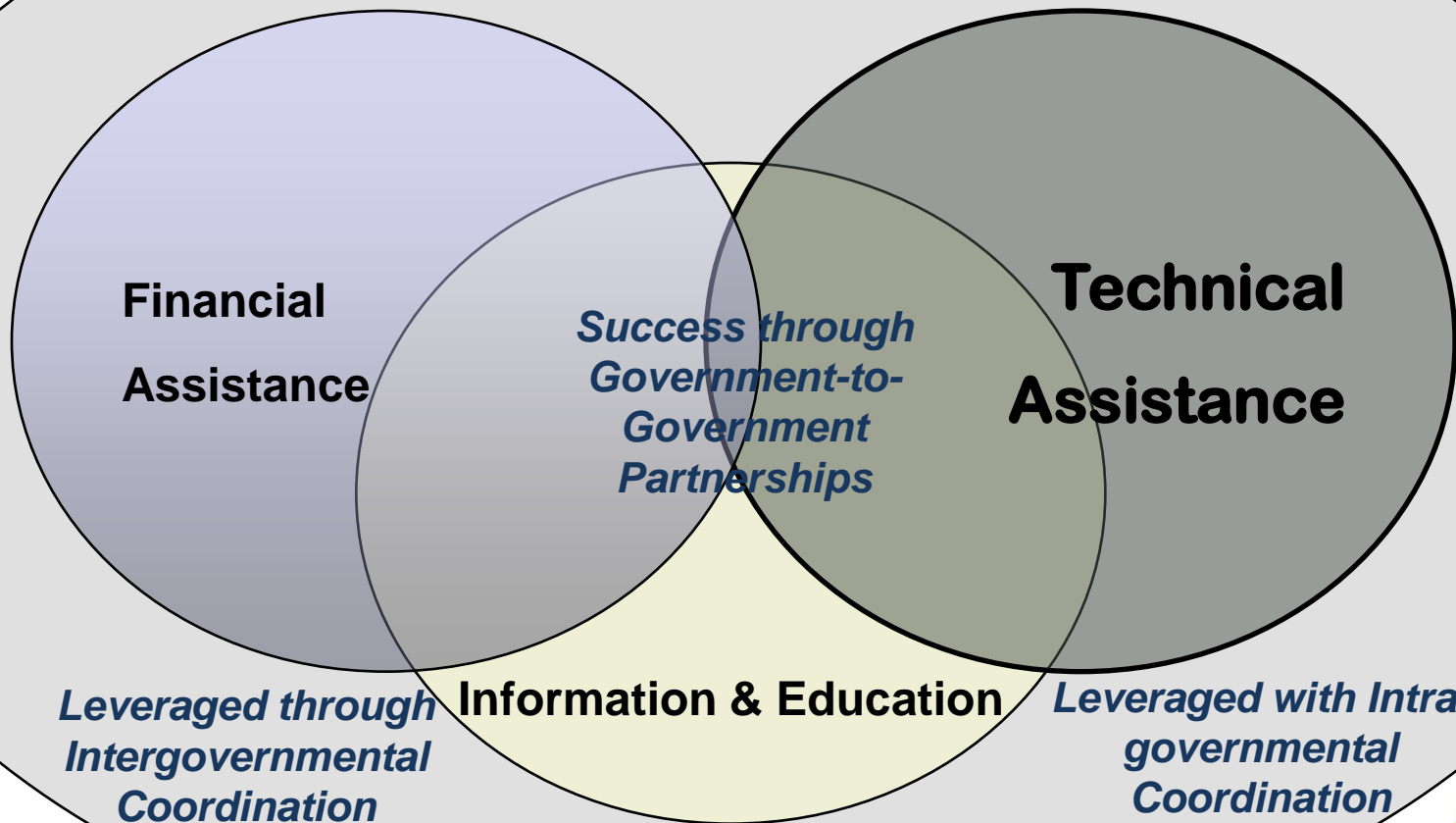
Technical Assistance Overview



Solar shades on the **Navajo Reservation** (Courtesy of NAPV)



DOE's Tribal Energy Program **Three Pronged Approach**



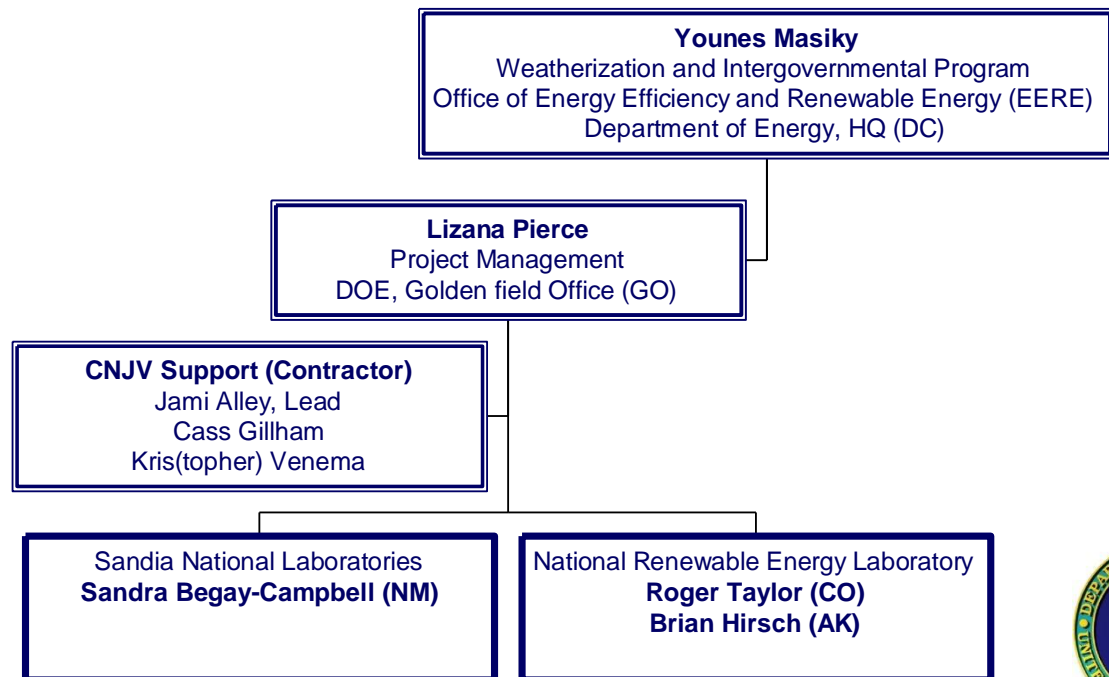
Organization

Program Management through DOE Headquarters, implementation through the DOE Golden Field Office, and technical support through the DOE's Laboratories

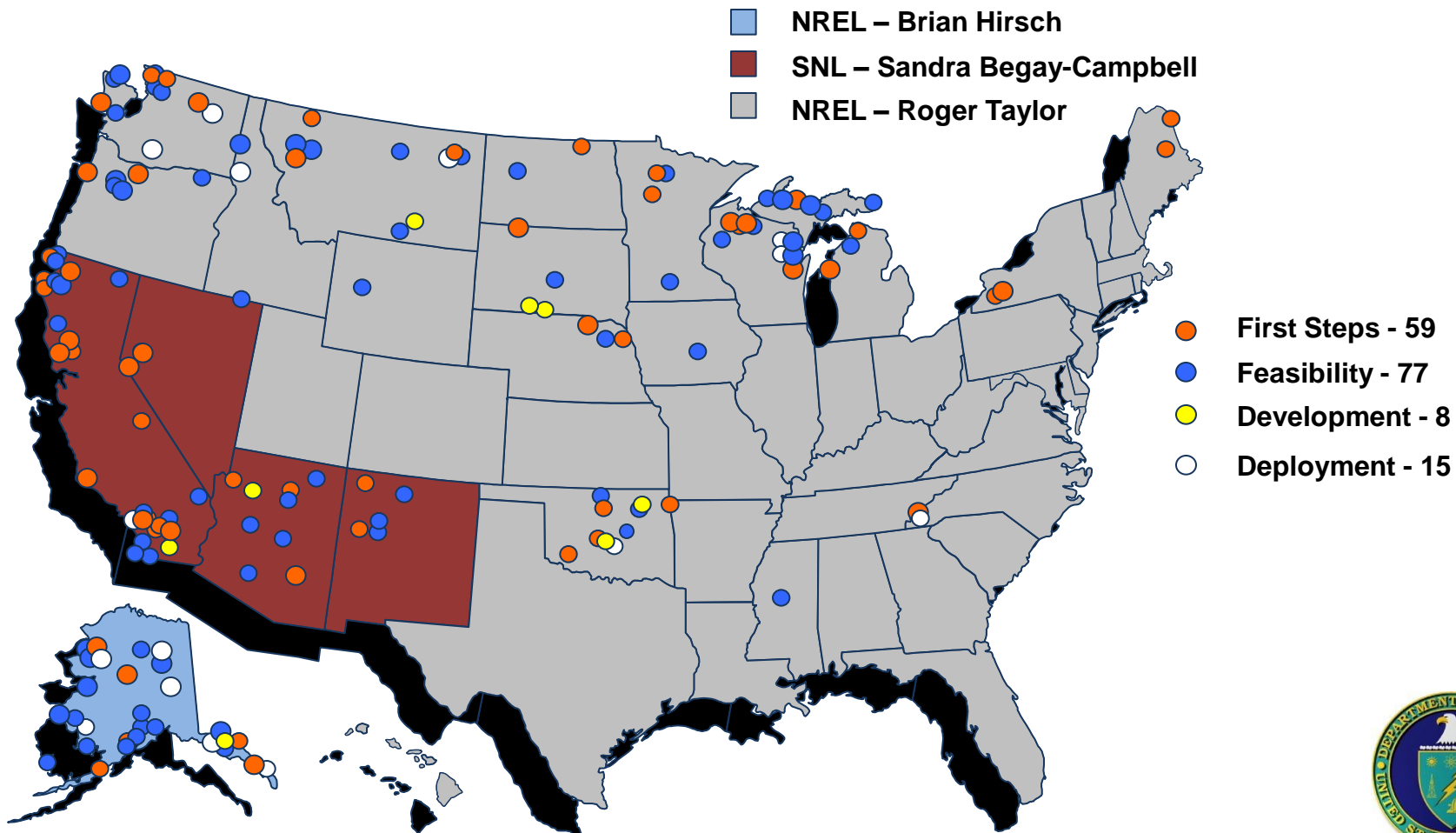
Program Management

Implementation

Technical
Assistance



Technical Assistance Regions



Providing Technical Assistance

Technical Assistance

- Technology Advice
- Models and Tools
- Resource Maps
- Strategic Energy Planning
- Pre-Feasibility Transmission Studies
- Project Support
- Economic Evaluation
- Design Review
- Special Studies



National Renewable
Energy Laboratory (NREL)
Science & Technology
Facility and Solar Energy
Research Facility (SERF)




**Assisting Tribes with expertise from
DOE's National Laboratories**



Technical Assistance Requests for Tribes

- Offered within available resources
- The application process is a quick and easy on-line process
- The value of technical assistance for Tribes is typically limited to 40 hours and may include, but is not limited to, renewable energy technology information, renewable resource information, energy efficiency techniques, project support, system performance modeling, policy information, design review, special studies, strategic energy planning, pre-feasibility transmission studies, and training.

 U.S. Department of Energy
Energy Efficiency and Renewable Energy

DOE's Tribal Energy Program

REQUEST FOR TECHNICAL ASSISTANCE

CONTACT INFORMATION	
First & Last Name	
Tribe/Affiliation	
Title	
Address 1	
Address 2	State/Province
City	Zip Code
Phone	Fax
E-mail	

DESCRIPTION OF REQUESTED ASSISTANCE (Typically limited to 40 hours)
Describe the technical scope of activities requested:
Identify the timeline of needed assistance, if applicable:

BACKGROUND INFORMATION
Provide background on your reservation (i.e., location and size), renewable energy resources, existing projects, and past efforts:

Return form to Lizana Pierce via e-mail at lizana.pierce@eo.doe.gov
or facsimile at (303) 275-4753

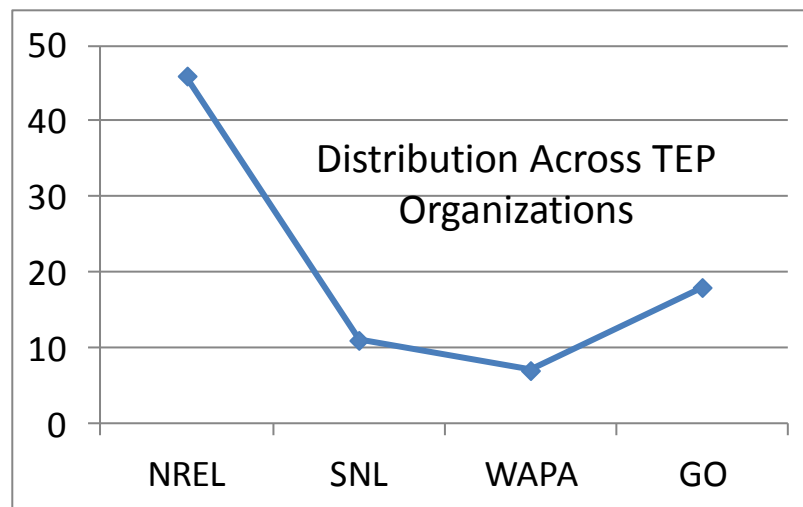
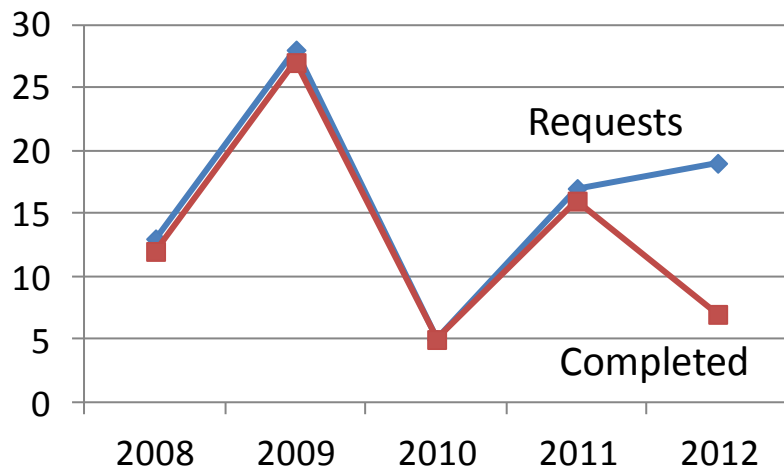


Complete Request Form On-line at
www.eere.energy.gov/tribalenergy/tech_assistance.cfm

Technical Assistance

Formalized in 2008

- Total of eighty-two (82) Tribal requests since 2008
- Sixty-seven (67) requests fulfilled (closed as of 3/26)
- Fifteen (15) open requests, twelve (12) received in 2012



Technical Assistance

- ✓ WAPA – L. Pierce
- ✓ NREL – R. Taylor/B. Hirsch
- ✓ SNL – S. Begay-Campbell





Technical Assistance

WAPA Provides Pre-feasibility Transmission Studies for the Tribes on behalf of the Program

Since 2009, WAPA has Completed 6 Studies

- 1) Moapa Band of Paiutes (June 2009)
- 2) Utu Utu Gwaitu Paiute Tribe (Sept 2009)
- 3) Canoncito Band of Navajos, To'Hajiilee Chapter (March 2010)
- 4) Navajo Nation/Navajo Hopi Land Commission (May 2010)
- 5) Hualapai Tribe (July 2010)
- 6) Ute Mountain Ute Tribe (Feb 2011)

* One Request cancelled

Assessment of Electric Power Service Options, Including
Solar Applications, for the Moapa Travel Center

Pre-Feasibility Assessment of Renewable Generation
Applications,
for NHLCO Paragon Ranch Solar

Pre-Feasibility Assessment of Renewable Generation
Applications,
For the Canoncito Band of Navajos (Tóhajiilee)

Prepared for:
US Department of Energy
Tribal Energy Program
And the
Western Area Power Administration

March 8, 2010

Prepared By:
James H Charters BA, MS
And
Milton F Percival BSFF

DISCLAIMER

This document was prepared as the result of work funded by the U.S. Department of Energy (DOE) through the U.S. DOE Tribal Energy Program and is administered by the Western Area Power Administration (WAPA). It does not necessarily represent the views of DOE, its employees, DOE or WAPA. Western States Energy Solutions, LLC makes no warranty, express or implied, and assumes no legal liability for the information in this report. The user of this information is not intended to create any legal liability. The report has not been approved or disapproved by DOE nor has DOE endorsed the accuracy or adequacy of the information in this report.

